

IL-1RI (Phospho Tyr496) Rabbit pAb

CatalogNo: YP1002

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 65kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:10000

IF 1:50-200

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human IL-1R α /CD121 α around the phosphorylation site of Tyr496. AA range: 471-520

Specificity Phospho-IL-1RI (Y496) Polyclonal Antibody detects endogenous levels of IL-1RI protein only when phosphorylated at Y496. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): QDyEK

Target Information

Gene name

IL1R1

Protein Name

Interleukin-1 receptor type 1

Organism	Gene ID	UniProt ID
Human	3554 ;	P14778 ;
Mouse	16177 ;	P13504 ;
Rat		Q02955 ;

Cellular Localization

Membrane ; Single-pass type I membrane protein . Cell membrane . Secreted .

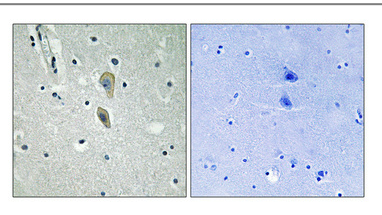
Tissue specificity

Expressed in T-helper cell subsets. Preferentially expressed in T-helper 1 (Th1) cells.

Function

Function:Receptor for interleukin-1 alpha (IL-1A), beta (IL-1B), and interleukin-1 receptor antagonist protein (IL-1RA). Binding to the agonist leads to the activation of NF-kappa-B. Signaling involves formation of a ternary complex containing IL1RAP, TOLLIP, MYD88, and IRAK1 or IRAK2.,similarity:Belongs to the interleukin-1 receptor family.,similarity:Contains 1 TIR domain.,similarity:Contains 3 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Binds IL1RAP.,

Validation Data



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

Contact information

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**IL-1RI (Phospho
Tyr496) Rabbit pAb**

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